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GOVERNMENT APPROVED TEST LABORATORY

IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE (IMPORT)

Date Issued: **06 Aug 2025** Certificate Validity: **06 Aug 2028**

IA Certificate Validity: *In accordance with ARP 0108 and the National Code of Practice, import IA certificates has a validity period of three (3) years from the date of issue. The IA certificate's validity period depends on the validity of the international document that it is based upon, and it is invalided should the international certificate be cancelled or the product quality assurance or notification becomes invalid. Equipment imported under a valid IA certificate and handed over to the end user, the IA Certificate validity falls away and the Ex equipment remains compliant with the relevant standards for its lifetime, provided the equipment is maintained in its original certified configuration. No modifications are allowed. Imported apparatus not sold by the IA certificate expiry date is deemed to not be covered by this IA Certificate and this IA Certificate shall undergo a renewal process. Renewal of this IA certificate is the responsibility of the IA Certificate Holder. The IA Certificate Holder must provide and maintain records to the end-user, of date of sale for traceability purposes.*

Certificate Number:	**S-XPL/25.1302 X** Issue Number: **0**
Equipment:	**Measuring, Control and Switchgear combination and junction box**
Model / Type:	**Measuring, Control and Switchgear combination type 07-3***-****/**** and junction box type 07-3T**-****/**** **
IA Certificate Holder:	**BARTEC GmbH**
IA Certificate Holder Location:	**Max-Eyth-Str. 16, 97980 Bad Mergentheim, Germany**
Manufacturer:	**BARTEC GmbH**
Manufacturer Location:	**BARTEC F.N. S.R.L.** **Via M. Pagano, 3** **I - 20090 Trezzano sul Naviglio (MI)** **Italy** **BARTEC Pte Ltd** **63 Hillview Avenue** **#07-18 to #07-/23 Lam Soon Industrial Building** **Singapore 669569** **Singapore** **BARTEC MIDDLE EAST LLC** **Building N° 3501** **Hussain Bin Ali Street** **Qatif Industrial Area** **3685 AL KHOBAR** **Saudi Arabia** **Saudi Arabia**
Serial No:	All serial numbers, imported between issued- and validity date and all serial numbers covered by either valid QAN or QAR.

Identified by Inspection Authority Number
S-XPL/25.1302 X

And as described in the Explolabs file number **XPL/25213/25.1302 Issue 0** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of the South African National Standards.

SANS 60079-0: 2019 Ed 6 **IEC 60079-0: 2017 Ed 7**	Explosive atmospheres Part 0: Equipment — General requirements
SANS 60079-1: 2015 Ed 5 **IEC 60079-1: 2014 Ed 7**	Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"
SANS 60079-11: 2012 Ed 4 **IEC 60079-11: 2011 Ed 6**	Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"
SANS 60079-18: 2017 Ed 4 **IEC 60079-18: 2014 Ed 4**	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
SANS 60079-2: 2015 Ed 4 **IEC 60079-2: 2014 Ed 6**	Explosive atmospheres Part 2: Equipment protection by pressurized enclosure "p"

SANS 60079-28:2016 Ed 2 **IEC 60079-28:2015 Ed 2**	Explosive atmospheres Part 28: Protection of equipment and transmission systems using optical radiation
SANS 60079-31: 2014 Ed 2 **IEC 60079-31: 2013 Ed 2**	Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t"
SANS 60079-5:2016 Ed 4 **IEC 60079-5:2015 Ed 4**	Explosive atmospheres Part 5: Equipment protection by powder filling "q"
SANS 60079-7:2019 Ed 4 **IEC 60079-7:2015 Ed 5**	Explosive atmospheres Part 7: Equipment protection by increased safety "e"
IEC 60079-30-1: 2015	Explosive atmospheres – Part 30-1: Electrical resistance trace heating – General and testing requirements

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL) Group	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
Very high	[Ga] Group II	Two independent means of protection or safe even when two faults occur independently of each other	Equipment remains functioning in zones 0, 1 and 2	Not applicable
High	Gb Group II	Suitable for normal operation and frequently occurring disturbances or equipment where faults are normally taken into account	Equipment remains functioning in zones 1 and 2	T6 (85°C) T5 (100°C) T4 (135°C) T3 (200°C)
High	Db Group III		Equipment remains functioning in zones 21 and 22	T80 °C, T95 °C, or T130 °C

1. GENERAL

The marking of the Measuring, Control and Switchgear combination and junction box shall include the following:

Type 07-31-****/******

Ex db eb ia ib [ib] ma mb op is [op is] op pr [pxb] [pyb] q 60079-30-1 [60079-30-1] IIA, IIB, or IIC T6, T5, T4, or T3 Gb

Ex db eb ia ib [ia Ga] ma mb op is [op is] op pr [pxb] [pyb] q 60079-30-1 [60079-30-1] IIA, IIB, or IIC T6, T5, T4, or T3 Gb

Ex tb ia ib [ib] ma mb op is [op is] op pr [pxb] [pyb] IIIA, IIIB, or IIIC, T80 °C, T95 °C, or T130 °C Db

Ex tb ia ib [ia Da] ma mb op is [op is] op pr [pxb] [pyb] IIIA, IIIB, or IIIC, T80 °C, T95 °C, or T130 °C Db

Typ 07-3S-****/******

Ex tb ia ib [ib] ma mb op is [op is] op pr [pxb] [pyb] IIIA, IIIB, or IIIC, T80 °C, T95 °C, or T130 °C Db

Ex tb ia ib [ia Da] ma mb op is [op is] op pr [pxb] [pyb] IIIA, IIIB, or IIIC, T80 °C, T95 °C, or T130 °C Db

Typ 07-3T-****/******

Ex eb ia ib IIA, IIB, or IIC T6, T5, T4, or T3 Gb

Ex tb ia ib IIIA, IIIB, or IIIC, T80 °C, T95 °C, or T130 °C Db

Equipment

The Measuring, Control and Switchgear combination Type 07-3***-****/**** consists of one or several housings made of polyester resin, stainless steel or aluminium. iType 07-31**-****/**** complies with the requirements of type of protection increased safety “e” and protection by enclosure “t”. Type 07-3S**-****/**** complies with the requirements of type of protection “t”. The enclosures are designed to mount measuring, control and switching devices as well as terminals for intrinsically safe and non-intrinsically safe circuits and can be equipped with actuating elements, indicator lights and inspection windows if required. The Ex-protected switchgear combination is used to control electrical equipment and/or to distribute electrical energy. Connection is made by means of either flanged enclosures or by Ex-protected cable entries.

The empty enclosures as well as all the internally and externally fitted Ex Products are separately tested and certified. The use of industrial components in combination with temperature limiter is permitted in type 07-3S**-****/****.

Type 07-3T**-****/**** is a junction box which is used for connecting and branching incoming and outgoing cables and wires by means of railsmounted connection terminals or terminal blocks.

The Measuring, Control and Switchgear combination is intended for the use in areas requiring equipment of EPL Gb or Db.

Technical data

Ambient temperature range:	-60 °C to +80 °C (*)
Degree of protection:	≥IP54 acc. to IEC 60529 for explosive gas atmospheres ≥IP6X acc. to IEC 60529 for explosive dust atmospheres
Rated voltage	max. 1000 V (*)
Rated current	max. 690 A (*)
Rated terminal cross section	max. 400 mm² (*)
(*) The rated values are maximum values. The respective built-in components cause the actual electrical values. The manufacturer specified the final rated values, within the limits of the maximum values, and depending on the supply conditions, mode of operation, equipment protection level and so on. The circuits must be interconnected in accordance with the requirements of the current standard IEC 60079-14. For intrinsically safe circuits, the requirements of IEC 60079-25 also apply.	

Additional manufacturing locations:

BARTEC Explosion Proof Appliances (Shanghai) Co. Ltd.
New Building 7
No. 188 Xinjung Rind Rd.
Caohejing Pujiang Hi-tech park
Minhang District, Shanghai
China

Bartec Thermal Control and Safety System (Pinghu) Co., Ltd.
4# Plant No. 1555 Xingping Fourth Road, Pinghu, Jiaxing ZheJiang
China

FENEX
Via Carducci, 16
I - 34070 Moraro (GO)
Italy

BARTEC AS
Vestre Svanholmen 24
Sandnes 4313
Norway

Based on the following documentation: IECEx IBE 12.0031X Issue No. 5

2. INSTALLATION INSTRUCTIONS

It is the IA Certificate Holder’s responsibility to supply OEM installation instructions with each unit offered for sale as required by IEC/SANS 60079-0, clause 30.

The equipment shall be installed, operated, and maintained in accordance with the manufacturer's instructions and the applicable South African standards and regulations.

3. SPECIAL CONDITIONS FOR SAFE USE *(denoted by "X" after certificate number)*

- When a polyamide hose is used for an application the temperature range is limited to -20 °C to +60 °C.
- It may be a potential risk of electrostatic charges from an Ex Equipment having a touch screen or plastic window in the enclosure; refer to the installation instruction manual.
- When the service temperature is higher than 70 °C at the entry point or 80 °C at the branching point of the conductors, the switchgear combination is marked accordingly. Suitable cables and cable glands have to be used.

4. SCHEDULE OF LIMITATIONS *(denoted by "U" after certificate number)*

Not applicable.

5. CONDITIONS OF CERTIFICATION

This approval is granted based on the submitted documentation.

Any modifications or alterations to the equipment will invalidate this IA Certificate.

The Certificate Holder is responsible for maintaining accurate records of the equipment and this IA Certificate.

All production units must be covered by either a QAN (Quality Assurance Notification) or QAR (Quality Assurance Report).

Renewal: This IA certificate may be renewed under a valid Quality Assurance Notification (QAN) or Quality Assurance Report (QAR). Imported apparatus not sold by the IA certificate expiry date must undergo this renewal process. This condition remains the responsibility of the IA Certificate Holder. Renewal of this IA certificate is the responsibility of the IA Certificate Holder.

Renewal involves a document review, including:

- Verification of the latest ATEX/IECEx certificate.
- Confirmation of a valid QAN/QAR.

Certificate holders are responsible for submitting these documents.

6. MARKING

The equipment shall bear the manufacturer's original marking plate containing all relevant Ex-certification details (applicable under the ATEX Directive). The following (or similar) information shall be clearly and permanently marked on all units:

IA Certificate Holder : BARTEC GmbH
Ex Rating : Refer to General, clause 1 for details
IA Certificate No : S-XPL/25.1302 X

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
ii) Any conditions mentioned in the above report;
iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
v) A revision certificate replaces all previous versions of the certificate.
vi) * - Only covers equipment Imported between the "Issued" and "Expire" dates.
vii) If and when your *QAN (Quality Assurance Notification) or QAR (Quality Assurance Report)* Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted, the existing IA Certification will then be cancelled. It is thus the Certificate Holder's responsibility to always submit the updated and valid QAN/QAR certificate(s) to Explolabs (Pty) Ltd

Reviewed by:

CC Lourens
Technical Specialist
EXPLOLABS EXPLOSION PREVENTION SERVICES

This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd